

ABSTRACT OF THE DISCLOSURE

A stepping motor being a motor used in oil includes a coil formed with a conductor coated with an outer coating and wound around a bobbin, and coil terminals electrically connected to the conductor at ends thereof led out from the coil, the outer coating being removed from the conductor at the ends thereof. The coil terminals are coated with a protective film made of a material having low permeability to elemental sulfur and sulfur compounds. Therefore, coil terminals and ends of the conductor are prevented from erosion by sulfur and organic sulfur compounds, thereby reducing risk of disconnection in the coil terminals and the conductor.